

METHOD AND APPARATUS FOR FORMING A PLANARIZING PAD HAVING A
FILM AND TEXTURE ELEMENTS FOR PLANARIZATION OF
MICROELECTRONIC SUBSTRATES

ABSTRACT

A planarizing pad for planarizing a microelectronic substrate, and a method and apparatus for forming the planarizing pad. In one embodiment, planarizing pad material is mixed with compressed gas to form a plurality of discrete elements that are distributed on a film support material. The film support material is supported by a liquid and is drawn from the liquid with a backing layer. At least a portion of the discrete elements are spaced apart from each other on the film support material to form a textured surface for engaging a microelectronic substrate and removing material from the microelectronic substrate. The discrete elements can be uniformly or randomly distributed on the film support material.